CLAIMS:

1. (Amended) A wireless AV system comprising: a wirelesss center having: a tuner section for performing channel selection, and a first transmitting/receiving section for transmitting/receiving broadcast information of a channel selected by the tuner section and other data; and an AV output device having: a display section, a channel selection input section for receiving an input operation causing the tuner section to perform channel selection, a second transmitting/receiving section capable of receiving the broadcast information and transmitting/receiving data wirelessly to/from the first transmitting/receiving section, and a first channel identification information memory section for storing channel identification information being available for identifying a channel selected by the up-down input operation, the wireless AV system, further comprising:

a command conversion section for converting, with reference to the channel identification information, the up-down input operation to a direct command for causing the tuner section to directly perform channel selection.

2. (Cancelled)

3. (Amended) The wireless AV system of claim 1,

wherein the first channel identification information indicates, based on a currently selected channel, whether or not a station has been registered for a channel selected by the up-down input operation.

4. The wireless AV system of claim 3, wherein the first channel identification information is skip information obtained based on a result of a channel scan carried out in the tuner section, and transmitted from the wireless center to the AV output device.

5. (Amended) A wireless center comprising: a tuner section for performing channel selection; and a first transmitting/receiving section for wirelessly transmitting/receiving broadcast information of a channel selected by the tuner section and other data,

the wireless center further comprising:

a second channel identification information memory section for storing channel identification information, the channel identification information being generated responsive to an input operation causing the tuner section to perform channel selection, and identifying a channel selected by the tuner section, the input operation being provided to the tuner section from the AV output device, which is provided separately from the wireless center and

includes a display section for displaying the broadcast information of the channel; and

a first control section for transmitting the channel identification information stored in the second channel identification information memory section to the AV output device in one transmission.

6. (Cancelled)

7. A control program for a wireless center, the control program causing the wireless center of claim 5 to function,

the control program causing a computer to function as at least either of the tuner section or the first transmitting/receiving section.

8. A computer-readable recording medium, wherein the control program for the wireless center of claim 7 is stored.

9. (Amended) An AV output device comprising: a display section; a channel selection input section for receiving an input operation causing the tuner section to perform channel selection, the tuner section in a wireless center being provided separately from the display section;

a transmitting/receiving section capable of receiving the broadcast information transmitted from the wireless center, and transmitting/receiving data wirelessly to/from the wireless center; and a first channel identification information memory section for storing, when a channel up-down input operation is performed as the input operation, channel identification information being available for identifying a channel selected by the up-down input operation, the AV output device, comprising:

a second control section for generating, with reference to the channel identification information stored in the first channel identification information memory section, a direct channel selection command and transmitting the direct channel selection command to the wireless center when a channel up-down input operation is performed as the input operation, the direct channel selection command being used for directly selecting a channel identified by the up-down input operation.

10. (Cancelled)

11. A control program for an AV output device, the control program causing the AV output device of claim 9 to function,

the control program causing a computer to function as at least either of the channel selection input section or the transmitting/receiving section.

12. A computer-readable recording medium, wherein the control program for the AV output device of claim 11 is stored.

13. A channel selecting method, which is a channel selecting method between a wireless center and an AV output device, the wireless center including the tuner section for performing channel selection, and the AV output device including a display section, a channel selection input section which receives an input operation causing the tuner section to perform the channel selection, and a memory section,

the method comprising the steps of:

causing the tuner section to perform the channel selection based on the input operation;

collecting, based on a result of the channel selection performed by the tuner section, channel identification information including skip information indicative of whether or not a station has been registered for each channel and transmitting the channel identification information to the AV output device wirelessly; and

storing the transmitted channel identification information in the memory section, detecting, responsive to the up-down input operation in the channel selection input section, a channel identified with reference to the channel identification information stored in the memory section, generating a direct channel selection command for selecting the identified channel, and transmitting the direct channel selection command to the wireless center side wirelessly.

14. A channel selecting method, which is a channel selecting method in an AV output device, the AV output device being connected with a wireless center including a tuner section for performing channel selection, so as to perform communication with the wireless center wirelessly, and including a display section, a channel selection input section which receives an input operation causing the tuner section to perform the channel selection, and a memory section,

the method comprising the steps of:

causing the tuner section to perform the channel selection based on the input operation;

obtaining, based on a result of the channel selection performed by the tuner section, channel identification information including skip information indicative of

whether or not a station has been registered for each channel and storing the channel identification information in the memory section; and

detecting, responsive to the up-down input operation in the channel selection input section, a channel identified with reference to the channel identification information stored in the memory section, generating a direct channel selection command for selecting the identified channel, and transmitting the direct channel selection command to the wireless center side wirelessly.

15. A channel select data generating method, which is a channel select data generating method in a wireless center, the wireless center being connected with an AV output device so as to perform communication with the AV output device wirelessly, and including a tuner section for performing channel selection, the AV output device including a display section, a channel selection input section which receives an input operation causing the tuner section to perform the channel selection, and a memory section,

the method comprising the steps of:

causing the tuner section to perform the channel selection based on the input operation;

collecting, based on a result of the channel selection,

channel identification information including skip information indicative of whether or not a station has been registered for each channel; and

transmitting the channel identification information wirelessly to the AV output device side in one transmission.

16. (Amended) An AV system comprising: a tuner device having: a tuner section for performing channel selection, and a first transmitting/receiving section for transmitting/receiving broadcast information of a channel selected by the tuner section and other data; and an AV output device being provided separably from the tuner device, the AV output device having: a display section, a channel selection input section for receiving an input operation causing the tuner section to perform the channel selection, a second transmitting/receiving section capable of receiving the broadcast information and transmitting/receiving data to/from the first

transmitting/receiving section, and a first channel identification information memory section for storing, when a channel up-down operation is performed as the input operation, channel identification information being available for identifying a channel selected by the up-down input operation,

the AV output device further comprising a command conversion section for converting, with reference to the channel identification information, the up-down input operation to a direct command for causing the tuner section to directly perform channel selection.